

Converting Colors

Yxy(61.4615, 0.4280, 0.4609)

Have a look what the booklet for
Yxy(61.4615, 0.4280, 0.4609)
contains.

Yxy(61.3028, 0.4282, 0.4606)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(61.3028, 0.4282, 0.4606)

Conversions

Conversions Part 1

Format	Color
Hex	EBCC47
RGB	235, 204, 71
RGB Percent	92%, 80%, 28%
CMY	0.0785, 0.2000, 0.7213
CMYK	0.00, 0.13, 0.70, 0.08
HSL	49°, 80%, 60%
HSV	49°, 70%, 92%
XYZ	56.9906, 61.3028, 14.8000
YIQ	198.1070, 61.1690, -34.7910

Conversions

Conversions Part 2

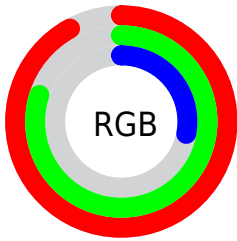
Format	Color
RYB	109, 235, 71
Decimal	15453255
CIELab	82.54, -3.12, 67.07
CIELCh	83, 67.139, 92.666
Yxy	61.3028, 0.4282, 0.4606
Android (android.graphics.Color)	4293643335 (0xFFEBCC47)
YUV	198.1070, -62.6638, 32.3552
Hunter-Lab	78.2961, -7.0907, 43.5999

Details

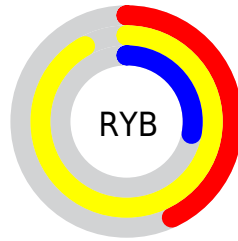
The Yxy color **61.3028, 0.4282, 0.4606** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light muted yellow. A complement of this color would be **16.8514, 0.1865, 0.1406**, and the grayscale version is **56.9060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2864, 0.3869, 0.4517**, and **30.9267, 0.4468, 0.4834** is the 20% darker color. If you saturate the color by 10%, you get **58.9783, 0.4408, 0.4698**, and if you desaturate by 10%, it is **63.8100, 0.4132, 0.4471**.

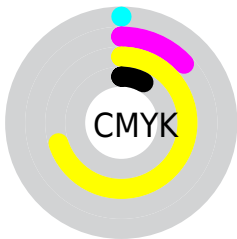
Distribution



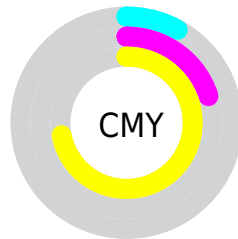
- Red (92%)
- Green (80%)
- Blue (28%)



- Red (43%)
- Yellow (92%)
- Blue (28%)



- Cyan (0%)
- Magenta (13%)
- Yellow (70%)
- Black (8%)




- Cyan (8%)
- Magenta (20%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.3028, 0.4282, 0.4606 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 61.3028, 0.4282, 0.4606 by changing the saturation by 10% instead.


 61.3028, 0.4282,
0.4606

 61.3028, 0.4282,
0.4606


429.3834, 0.3783,
0.4026

 44.4696, 0.4376,
0.4719


 106.7172, 0.4123,
0.4418


 31.0398, 0.4478,
0.4844


 136.0673, 0.4056,
0.4341

 20.6292, 0.4583,
0.4978


 170.3583, 0.3997,
0.4272

 12.8532, 0.4696,
0.5129

 209.9749, 0.3945,
0.4211

 7.3276, 0.4760,
0.5240

 255.3012, 0.3897,
0.4157

 3.6678, 0.4731,
0.5269

306.7218, 0.3855,

 1.4895, 0.4681,

0.4109

0.5319

364.6211, 0.3817,
0.4065

■ 0.2813, 0.4046,
0.5954

■ 0.0000, 0.0000,
0.0000

■ 61.3028, 0.4282,
0.4606

■ 61.3028, 0.4282,
0.4606

■ 58.9783, 0.4408,
0.4698

■ 63.8100, 0.4132,
0.4471

■ 56.8130, 0.4506,
0.4744


■ 66.5035, 0.3966,
0.4303

■ 54.7855, 0.4577,
0.4747


■ 69.3975, 0.3791,
0.4110


■ 54.7377, 0.4578,
0.4747

■ 72.5017, 0.3614,
0.3904

 75.8253, 0.3442,
0.3694

 79.3766, 0.3277,
0.3486

 83.1637, 0.3124,
0.3285

 86.9299, 0.3006,
0.3135

 89.5704, 0.3006,
0.3180

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.3028, 0.4747, 0.4048



61.3028, 0.4282, 0.4606



61.3028, 0.3546, 0.4876

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



61.3028, 0.4282, 0.4606



61.3028, 0.1738, 0.2806



61.3028, 0.3352, 0.2378

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



61.3028, 0.4282, 0.4606



16.8514, 0.1865, 0.1406

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



61.3028, 0.2536, 0.2087



61.3028, 0.4282, 0.4606



61.3028, 0.1706, 0.2251

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



61.3028, 0.4282, 0.4606



61.3028, 0.2089, 0.3680



61.3028, 0.1972, 0.2030



61.3028, 0.4209, 0.2853

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61.3028, 0.4282, 0.4606



61.3028, 0.3005, 0.4731



61.3028, 0.1972, 0.2030



61.3028, 0.3060, 0.2257

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



61.3057, 0.4282, 0.4606



90.7297, 0.3464, 0.3722



23.1715, 0.5023, 0.2984



19.1787, 0.3512, 0.3780



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.3057, 0.4282, 0.4606



69.7730, 0.4457, 0.4725



70.2828, 0.3694, 0.5086



17.1148, 0.3273, 0.3480



30.6446, 0.4571, 0.4752



2.5310, 0.4509, 0.4802

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



16.8514, 0.1865, 0.1406



13.6146, 0.1665, 0.1034



14.5225, 0.2092, 0.1214



15.0096, 0.2980, 0.3093



4.4949, 0.1550, 0.0781



0.4818, 0.1616, 0.1018

Previews

White Background



This preview shows how the Yxy color 61.3028, 0.4282, 0.4606 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 61.3028, 0.4282, 0.4606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.3028, 0.4282, 0.4606

Background



This preview shows how black text looks on a background with the Yxy color 61.3028, 0.4282, 0.4606.



This preview shows how white text looks on a background with the Yxy color 61.3028, 0.4282, 0.4606.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

61.3028, 0.4282, 0.4606

Protanopia

61.4335, 0.4222, 0.4642

Deuteranopia

61.3644, 0.4447, 0.4363



Tritanopia

61.3107, 0.3463, 0.3132

Trichromacy



Original Color

61.3028, 0.4282, 0.4606

Protanomaly

61.2863, 0.4246, 0.4623

Deuteranomaly

61.3678, 0.4389, 0.4448

Tritanomaly

60.7914, 0.3817, 0.3716

Monochromacy



Original Color

61.3028, 0.4282, 0.4606

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

57.4244, 0.3579, 0.3864

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.3028, 0.4282, 0.4606 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(235, 204, 71)` looks like.

```
.text, #text, p{  
    color:rgb(235, 204, 71)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(235, 204, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 204, 71) }
```

Border

The CSS property to change the border of an element to Yxy 61.3028, 0.4282, 0.4606 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(235, 204, 71) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(235, 204, 71) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(235, 204, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 204, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 204, 71);  
box-shadow:4px 4px 4px 4px rgb(235, 204,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 61.3028, 0.4282, 0.4606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 204, 71) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(235,  
204, 71) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor